SEQUENCE LISTING

GENERAL INFORMATION:

(i)

APPLICANT: PEREGRINO FERREIRA, Paulo;

GESSIEN KROON, Erna;

PIMENTA DOS REIS, Karlisson Jennner;

BIAS FORTES FERRAZ, Isabella;

CERQUEIRA LEITE, Romulo.

(ii)

TITLE OF INVENTION: Method and composition for the diagnosis of equine infectious anemia virus disease by using the recombinant capsid protein virus (p26)

(iii)

NUMBER OF SEQUENCES: 1

(iv)

CORRESPONDENCE ADDRESS:

(A)

ADDRESSEE: Universidade Federal de Minas Gerais - CTIT

(B)

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(C)

CITY: Belo Horizonte

(D)

STATE: Minas Gerais

(E)

COUNTRY: BRAZIL

(F)

ZIP: 31270-901

(v)

COMPUTER READABLE FORM:

(A)

MEDIUM TYPE: diskette – 3.50 inch, 1.44 Mb storage

(B)

COMPUTER: IBM compatible

(C)

OPERATING SYSTEM: Windows 98

(D)

SOFTWARE: Office premium

(vi)

CURRENT APPLICATION DATA:

(A)

APPLICATION NUMBER: U.S. 09/331.262

(B)

FILING DATE:

(C)

CLASSIFICATION: C12Q1/70

(vii)

PRIOR APPLICATION DATA

(A)

APPLICATION NUMBER: PI 9606273-8

(B)

FILING DATE: 18-DEC-1996

(2)

INFORMATION FOR SEQ ID N0:1:

(i)

SEQUENCE CHARACTERISTICS:

(A)

LENGHT: 252 amino acids

(B)

TYPE: amino acid

(D)

TOPOLOGY: linear

(ii)
MOLECULE TYPE : protein
(vi)
ORIGINAL SOURCE
(A)
ORGANISM : equine infectious anemia virus
(ix)
FEATURE:
(A)
NAME: p26
(x)
PUBLICATION INFORMATION
(A)
AUTHORS:
(B)
TITLE: (
C)
JOURNAL:
(D)
VOLUME:
(F)
PAGES:
(G)
DATE:

(xi)
SEQUENCE DESCRIPTION: SEQ ID NO:1

His His His His His His Gly Ser Pro Gly Asn Pro Leu Thr Trp
5 10 15

Ser Lys Ala Leu Lys Lys Leu Glu Lys Val Thr Val Gln Gly Ser
20 25 30
Gln Lys Leu Thr Thr Gly Asn Cys Na Trp Ala Leu Ser Leu Val
35 40 45
Asp Leu Phe His Asp Thr Asn Phe Val Lys Glu Lys Asp Trp Gln
50 55 60
Leu Arg Asp Val Ile Pro Leu Leu Glu Asp Val Thr Gln Thr Val
65 70 75
Ser Gly Gln Glu Arg Glu Ala Phe Glu Arg Thr Trp Trp Ala Ile
80 85 90
Ser Ala Val Lys Met Gly Leu Gln Ile Asn AsnVal Val Asp Gly
95 100 105
Lys Ala Ser Phe Gln Leu Leu Arg Ala Lys Tyr Glu Lys Lys Thr
110 115 120
Ala Asn Lys Lys Gln Ser Glu Pro Ser Glu Glu Tyr Pro Ile Met
125 130 135
Ile Asp Gly Ala Gly Asn Arg Asn Phe Arg Pro Leu Thr Pro Arg
140 145 150
Gly Tyr Thr Thr Trp Val AsnThr Ile Gln Thr Asn Gly Leu Leu
155 160 165
Asn Glu Ala Ser Gln Asn Leu Phe Gly Ile Leu Ser Val Asp Cys
170 175 180
Thr Ser Glu Glu Met Asn Ala Phe Leu Asp Val Val Pro Gly Gln
185 190 195
Ala Gly Gln Lys Gln Ile Leu Leu Asp Ala Ile Asp Lys Ile Ala
200 205 210
Asp Asp Trp Asp Asn Arg His Pro Leu Pro Asn Ala Pro Leu Val
215 220 225
Ala Pro Pro Gln Gly Pro Ile Pro Met Thr Ala Arg Phe Ile Arg
230 235 240
Gly Leu Gly Val Pro Arg Glu Arg Gln Met Glu Pro
245 250

Asn Cys Val Val Gln Ser Phe Gly Val Ile Gly Gln Ala His Leu.

260 265 270

Glu Leu Pro Arg Pro Asn Lys Arg Ile Arg Asn Gln. Ser Phe Asn

275 280 285

Gln Tyr Asn Cys Ser Ile Asn. Asn Lys Thr Glu Leu Glu Thr Trp

290 295 300

Lys Leu.Val Lys Thr Ser Gly Val Thr Pro Leu Pro. Ile Ser Ser

305 310 315

Glu Ala Asn Thr Gly Leu

320